

VSA MYP Mathematics Year 9 Topic Planner



Time for this unit: x – y weeks (5 lessons per week. 45 or 50 mins/lesson)

Topic	General Aims By the end of this unit students should be able to:	Specific VSA Learning Objectives By the end of this unit students should know/be able to:	Main Resource(s)
Lines and Parabolas	Students will gain an appreciation of the fact that the coordinate plane provides a very convenient framework in which we can locate points, and which help in describing lines and geometric shapes.	<ul style="list-style-type: none">⇒ Understand and plot (x,y) coordinate points.⇒ Use the distance formula.⇒ Understand the meaning of the slope of a line mathematically and in everyday life.⇒ Handle Parallel or Perpendicular Lines.⇒ Understand and familiar with equation in $y=mx+c$ format.⇒ Understand and use the Mid-point formula.⇒ Link properties of plane figures to the coordinate plane.⇒ Plot parabolas with a given equation	New Trend Mathematics TextBook S3B Chapter 9
			Support Resources
			Various worksheets Mathletics
Guiding Question	Main Areas of Interaction Focus	Learner Profile	
How do I know where I am?	Human Ingenuity: origin, process, product, context, impact, and development.	Inquirers – Students look for quadratic functions in the real world Communicators – it's one thing saying that a design looks mathematical, it's another being able to describe, in technical language, what those mathematical features are.	
	Technology	Assessment	
	The Use of Calculator, Geogebra and other graphing software	A written test (using Criteria A and C) in which students tackle questions about lines and shapes in the coordinate plane.	
	Embedded Enquiry	Cross-curricular Links	
	How GPS Works.		
ATL	Information Literacy: Use various programmes to organize, present and analyse data. Problem-solving & Thinking Skills: The student independently constructs a number of plans to tackle a problem, and identifies the most suitable plan.		

